Approved For Release 2004/07/07 : CIA-RDP78T05161A090500010038-3 SECRET MAGERY **NALYSIS IVISION** PHOTOGRAPHIC INTELLIGENCE REPORT SELECTED FEATURES OF THE PAO-TOU ATOMIC ENERGY COMPLEX, CHINA **Declass Review by NGA** 25 63055 CIA/PIR 25 **MAY 1966** DATE COPY Approved For Release 2004/07/07 : CIA-RDP78T05161A000500010038-3 30

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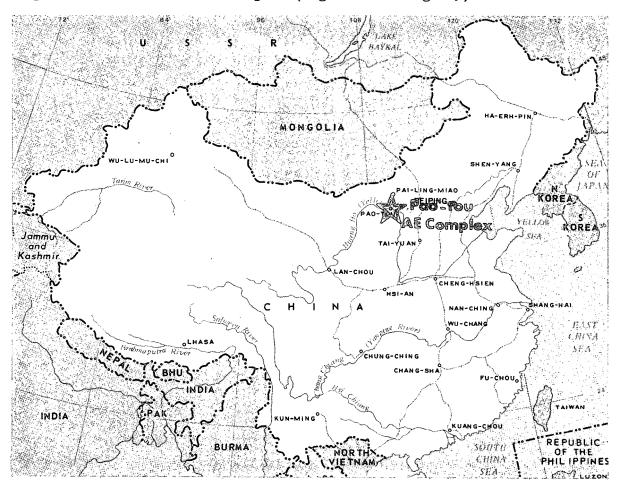
SELECTED FEATURES OF THE PAO-TOU ATOMIC ENERGY COMPLEX, CHINA

INTRODUCTION

This report concerns the atomic energy complex located near Pao-tou, China at 40-39N 109-57E. It is an effort to study certain features in particular and to supplement previous reports which dealt with the complex as a whole.

Specifically, the study concerns the development of a pipeline between the previously reported waste basins and the complex itself, the electric power supply of certain buildings, the number and types of rail cars on the sidings within the secured area, and a photographic history of the basins.

All usable photographic coverage of the Pao-tou Atomic Energy Complex, from through is presented in sequence at the end of this report (Figures 4 through 25).



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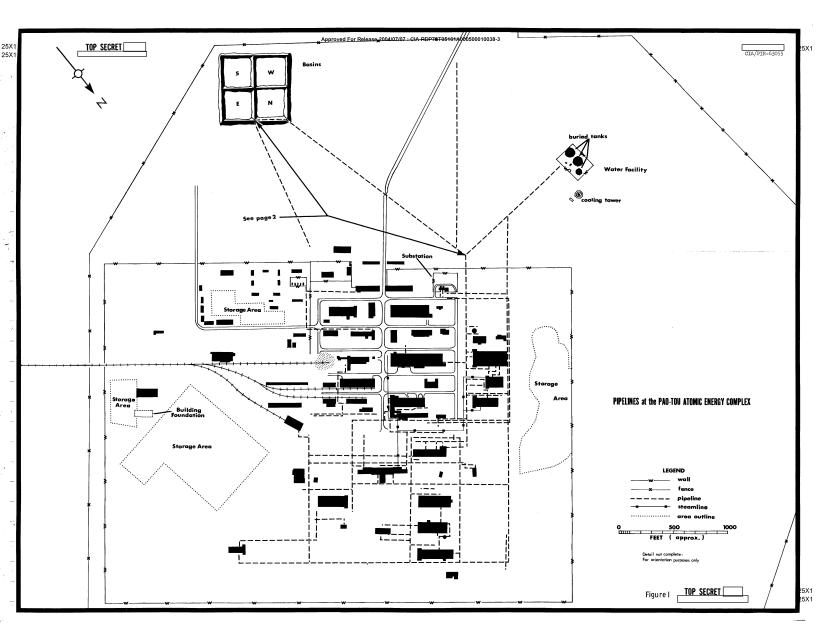
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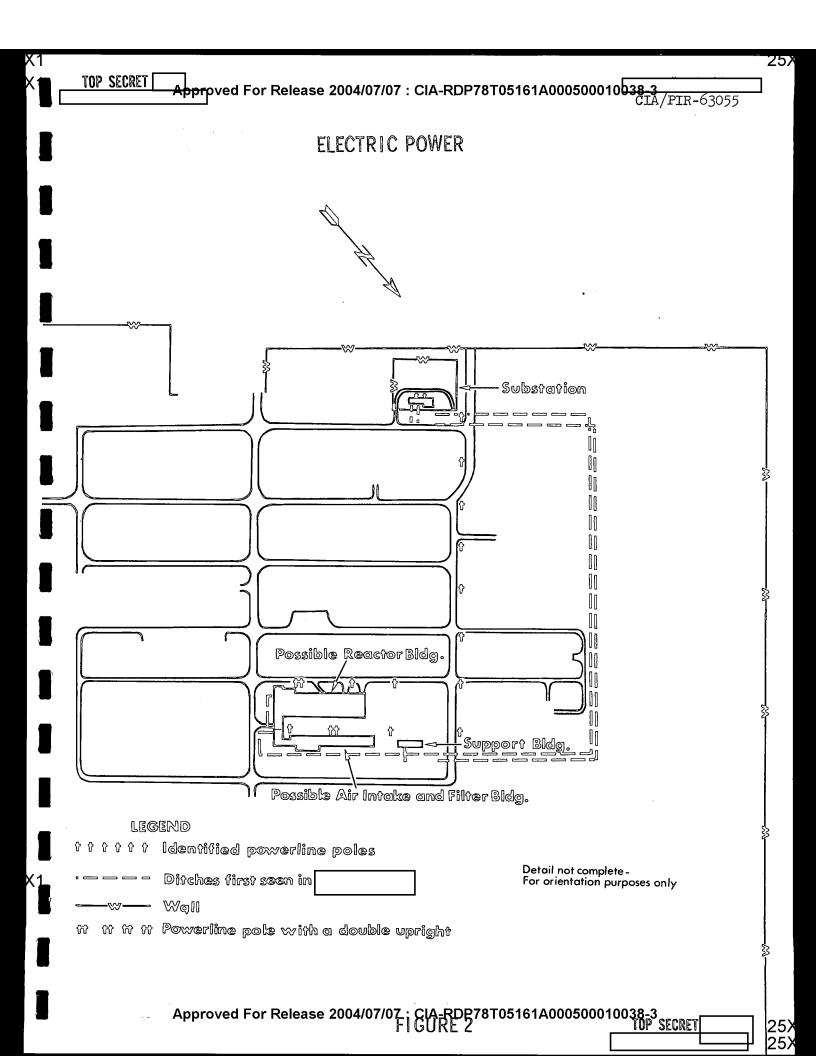
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	CIA IMAGERY ANALYSIS DIVISION CIA/PIR-63055	25X1
	PIPELINE DITCH FROM THE NORTH BASIN	
	This pipeline ditch begins at the dividing wall between the North and East Basins (Figure 1). It extends along the top of the northeast wall of the North Basin, down the north corner, and continues in a north-northwesterly direction for approximately 2000 feet. At this point it intercepts a pipeline ditch from the water facility, located to the west. The two merge into a single ditch and then run northeast into the complex (Figures 1 and 2).	
25X1	The pipeline ditch was first observed in(Figure 19). Its development continued (Figures 19 through 22) until when it appeared to have been completed and filled (Figure 23). However a faint trace of the ditch was still visible in (Figure 24).	25X1 25X1 25X1
	ELECTRIC POWER	
25X1	The identification of powerline poles on photography of and indicated that the previously identified "Possible Reactor Building" and "Possible Air Intake and Filter Building" (identifications now in question) received electric power from the substation by way of overhead lines (Figures 2 and 11). The lines connecting the two buildings and the substation are carried by single poles. However, poles with two uprights are next to and oriented towards both buildings, indicating probable tap-off points (Figure 2).	25X1
25X1 25X1 25X1	In large scale, good quality photography was again obtained of the Pao-tou complex (Figure 13) and although the poles were still visible, ditches were observed which were thought to connect the substation to the above-mentioned buildings with underground electric cables (Figures 2 and 13). large scale photographic missions in seemed to support this theory in that the poles appeared to have been removed (Figures 19, 20 and 22).	
25X1	however, revealed that the poles were still in place, indicating that the previously reported Possible Reactor Building and Possible Air Intake and Filter Building continue to be supplied with electric power by overhead lines rather than underground cable (Figure 24)	
25X1	The Support Building, situated northwest of the previously reported Air Intake and Filter Building, was first observed in when it was under construction (Figures 2 and 13). Photography of showed that it had been completed (Figure 19). The building probably receives electric power by tapping the overhead lines connecting the Possible Air Intake and Filter Building to the substation.	25X1 25X1
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RAIL CAR STUDY

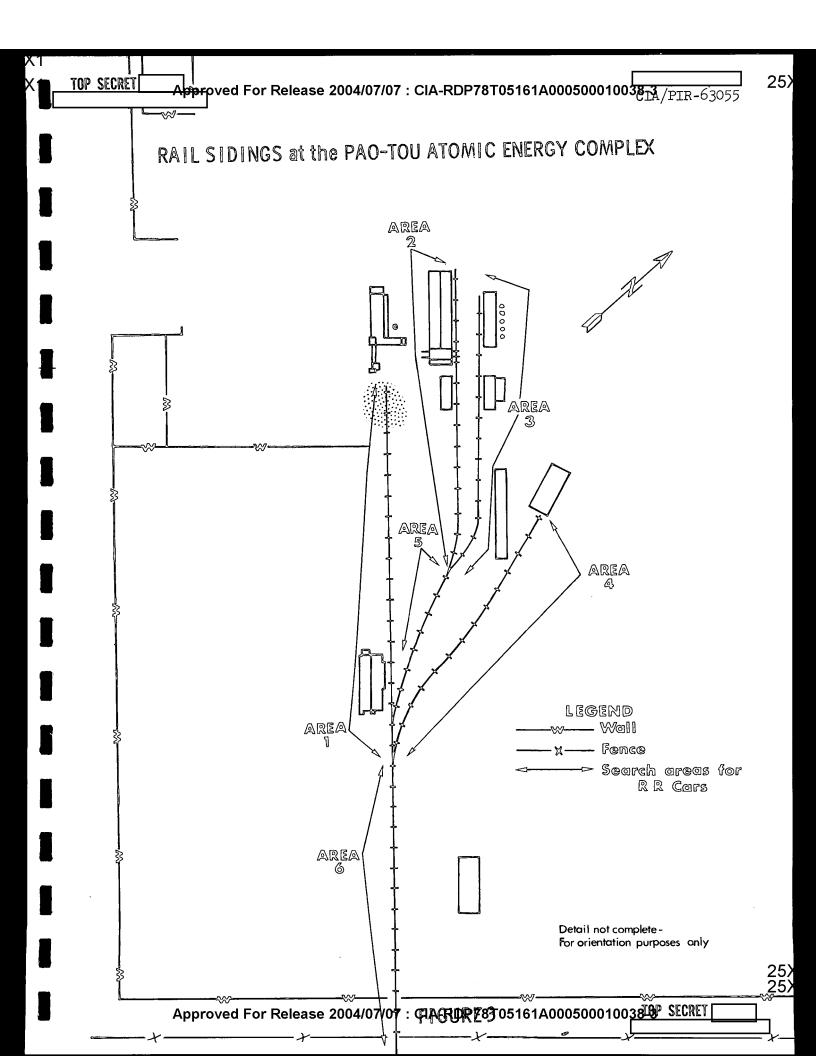
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A study was made concerning the number and types of rail cars at various times on the sidings within the secured area at Pao-tou (Figure 3). Table No. 1 contains the results of this study.

Only that photography of adequate scale and quality to permit the detection of rail cars was used, as listed in the table.

RAIL CARS OBSERVED
gondolas, 1 tank car
tank car
gondolas, 1 tank car
tank car
gondolas, 1 tank car
tank car
gondolas, 1 tank car, 1 probable boxcar
tank car, 2 unidentified rail cars
gondolas, 1 tank car, 2 probable boxcars,
possibly 2 coal cars
tank cars, ll probable coal cars
possible tank car
possible tank car, 2 possible rail cars
possible tank car, 2 possible rail cars
tank car, 2 gondolas, 6 boxcars
tank cars, 1 small gondola
unidentified rail cars
gondolas, 1 tank car, 5 boxcars,
l possible switching engine
tank cars
probable rail cars
probable rail car, l possible rail car
gondolas, 4 boxcars
tank cars
-

TABLE 1



1	Approved For Release 2004/07/07: CIA-RDP78T05161A000500010038-3	
	CIA IMAGERY ANALYSIS DIVISION CIA/PIR-63055	
	PHOTOGRAPHIC HISTORY OF THE BASINS AT THE PAO-TOU ATOMIC ENERGY COMPLEX	
(1	Four basins were first observed in early stages of construction in(Figure 4). Construction continued for four years with all four basins finally completed by(Figure 23).	
1	The North Basin was in use in(Figure 5). By the West Basin had been completed and was being utilized (Figure 13). The East and South Basins were not completed until sometime be-	
1	tween (Figures 22 and 23). However, photography of showed that the East Basin had been used even though it was not complete (Figure 12). The premature use of this basin remains unexplained but could have been accidental.	





















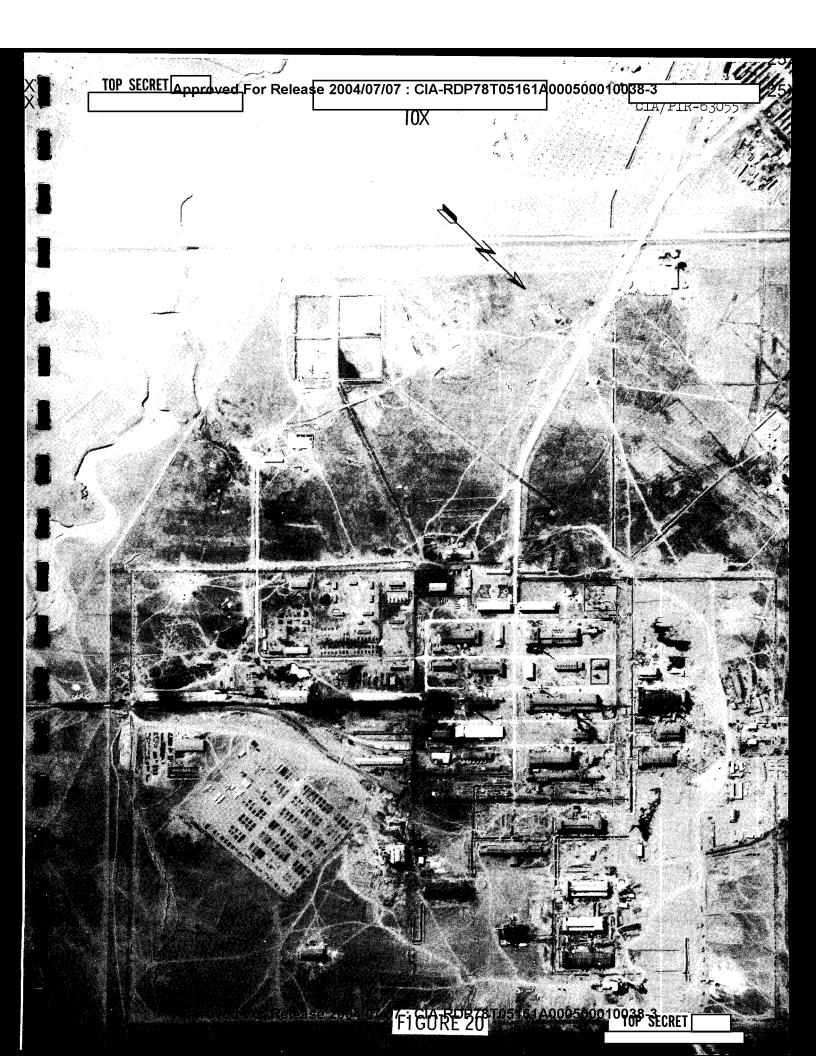


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